

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: 5-Bromo-4-chloro-3-indolyl-beta-D-galactopyranoside (X-GAL)_

Catalog Number: XGAL0100; XGAL1000_

Lot: MR30556_

Formula: $C_{14}H_{15}BrClNO_6$

CAS #: 7240-90-6

Physical Description: White Powder

Formula Weight: 408.6

Storage: -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Assay (HPLC)	>99.0%	99.3%
Specific rotation	-62 +2°	-61.7°(c=1, DMF;H ₂ O =1:1)
Water content (KF)	# 0.2%	0.2%
Solubility in DMF (Dimethylformamide)	Clear Solution	Clear, Colorless Solution
Expiration Date	Month/Day/Year	4/30/2018

FTIR: Conforms to Standard

¹H-NMR: Conforming to structure

Christina Marotta

07/26/2013 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)